ABSTRACT OF THE DISCLOSURE

An assembling method and an apparatus for carrying out the method capable of efficiently, reliably and easily detecting an insertion and fitting position, for easy automatic assembly. In case a rod-like workpiece is inserted into a hole in an object, an insertable range is determined based an amount of clearance between the workpiece and the hole, an amount of The insertable range is defined as within a range chamfering of the hole, etc. centered at a hole center position 3cp and having a radium of r. A workpiece center position is indicated by 1cp. While the workpiece is moved once throughout a search range (XL-XU) in the X-axis direction, it is moved in the Y-axis direction by an amount equal to or less than an insertable range amount As shown by a dotted line, the workpiece center 1cp passes without fail through the insertable range during the motion throughout the search range When the workpiece center 1cp falls within the insertable (XL-XU, YL-YU). range, the workpiece that is pressed toward the object is inserted into the hole.